

Table 1
FEDERAL DRINKING WATER STANDARDS
ORGANIC
40 CFR PART 141
(as of June 1992)
All units are milligrams per liter (mg/l)

SDMS Document



112787

Contaminant	MCL ¹	MCLG ¹
Acrylamide ²	TT	zero
Benzene	0.005	zero
Benzo(a)pyrene (PAH) ³	0.0002	zero
Carbon tetrachloride	0.005	zero
o-Dichlorobenzene ²	0.600	0.600
p-Dichlorobenzene	0.075	0.075
1,2-Dichloroethane	0.005	zero
1,1-Dichloroethylene	0.007	0.007
cis-1,2-Dichloroethylene ²	0.070	0.070
trans-1,2-Dichloroethylene ²	0.100	0.100
Dichloromethane ³ (Methylene chloride)	0.005	zero
1,2-Dichloropropane ²	0.005	zero
Di(2-ethylhexyl)adipate ³	0.400	0.400
Di(2-ethylhexyl)phthalate ³	0.006	zero
Epichlorohydrin ²	TT	zero
Ethylbenzene ²	0.700	0.700
Hexachlorobenzene ³	0.001	zero
Hexachlorocyclopentadiene(HEX) ³	0.050	0.050
Monochlorobenzene ²	0.100	0.100
Pentachlorophenol ⁸	0.001	zero
Styrene ²	0.100	0.100
Tetrachloroethylene ²	0.005	zero
Toluene ²	1.000	1.000
1,2,4-Trichlorobenzene ³	0.070	0.070
1,1,1-Trichloroethane	0.200	0.200
1,1,2-Trichloroethane ³	0.005	0.003
Trichloroethylene (TCE)	0.005	zero
Total Trihalomethanes (TTHM) ⁷	0.100	-
2,3,7,8-TCDD (Dioxin) ³	3E-08	zero
Vinyl chloride	0.002	zero
Xylenes (total) ²	10.00	10.00

Table 1 (Continued)

PESTICIDES/PCBs

Contaminant	MCL ¹	MCLG ¹
Alachlor ²	0.002	zero
Aldicarb ⁸	0.003	0.001
Aldicarb sulfone ⁸	0.002	0.001
Aldicarb sulfoxide ⁸	0.004	0.001
Atrazine ²	0.003	0.003
Carbofuran ²	0.040	0.040
Chlordane ²	0.002	zero
Dalapon ³	0.200	0.200
1,2-Dibromo-3-chloropropane(DBCP) ²	0.0002	zero
Dinoseb ³	0.007	0.007
Diquat ³	0.020	0.020
Ethylene dibromide(EDB) ²	0.00005	zero
2,4-D ^{2,5}	0.070	0.070
2,4,5-TP(Silvex) ^{2,6}	0.050	0.050
Endothall ³	0.100	0.100
Endrin ³	0.002	0.002
Glyphosate ³	0.700	0.700
Heptachlor ²	0.0004	zero
Heptachlor epoxide ²	0.0002	zero
Lindane ²	0.0002	0.0002
Methoxychlor ²	0.040	0.040
Oxamyl(Vydate) ³	0.200	0.200
Polychlorinated biphenyls(PCBs) (as decachlorobiphenyl) ²	0.0005	zero
Picloram ³	0.500	0.500
Simazine ³	0.004	0.004
Toxaphene ²	0.003	zero

Table 2
FEDERAL DRINKING WATER STANDARDS
INORGANIC
40 CFR PART 141
(as of June 1992)
All units are milligrams per liter (mg/l)

Contaminant	MCL ¹	MCLG ¹
Antimony ³	0.006	0.006
Arsenic	0.050	-
Asbestos ^{2,10} (fibers/l > 10um)	7 MFL	7 MFL
Barium ⁸	2.000	2.000
Beryllium ³	0.004	0.004
Cadmium ²	0.005	0.005
Chromium (total) ²	0.100	0.100
Copper ¹¹	TT ^{**}	1.300
Cyanide ³	0.200	0.200
Fluoride	4.000	4.000
Lead (at tap) ¹¹	TT ^{**}	zero
Mercury ²	0.002	0.002
Nickel ³	0.100	0.100
Nitrate (as N) ²	10.00	10.00
Nitrite (as N) ²	1.000	1.000
Total Nitrate + Nitrite (as N) ²	10.00	10.00
Selenium ²	0.050	0.050
Sulfate ^{3,12}	deferred	deferred
Thallium ³	0.002	0.0005

** Copper - action level 1.3 mg/l
 Lead - action level 0.015 mg/l

MFL Million Fibers per Liter

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Table 6
FEDERAL/STATE MCLs FOR REGION II
ORGANIC
(as of June 1992)
All units are milligrams per liter (mg/l)

Contaminant	FEDMCL	NJMCL	NYMCL
Acrylamide	TT ²	TT	-
Benzene	0.005	0.001	0.005
Bromobenzene	-	-	0.005
Bromo(chloromethane)	-	-	0.005
Bromomethane	-	-	0.005
n-Butylbenzene	-	-	0.005
sec-Butylbenzene	-	-	0.005
tert-Butylbenzene	-	-	0.005
Carbon tetrachloride	0.005	0.002	0.005
Chloroethane	-	-	0.005
Chloromethane	-	-	0.005
2-Chlorotoluene	-	-	0.005
4-Chlorotoluene	-	-	0.005
Dibromomethane	-	--	0.005
o-Dichlorobenzene (1,2)	0.6 ²	0.6	0.005
m-Dichlorobenzene (1,3)	-	0.6	0.005
p-Dichlorobenzene (1,4)	0.075	0.075	0.005
Dichlorodifluoromethane	-	-	0.005
1,2-Dichloroethane	0.005	0.002	0.005
1,1-Dichloroethane	-	-	0.005
1,1-Dichloroethylene	0.007	0.002	0.005
cis-1,2-Dichloroethylene	0.07 ²	0.010	0.005
trans-1,2-Dichloroethylene	0.1 ²	0.010	0.005
Dichloromethane (Methylene chloride)	0.005 ³	0.002	0.005
1,2-Dichloropropane	0.005 ²	-	0.005
1,3-Dichloropropane	-	-	0.005
2,2-Dichloropropane	-	-	0.005
1,1-Dichloropropene	-	-	0.005
cis-1,3-Dichloropropene	-	-	0.005
trans-1,3-Dichloropropene	-	-	0.005
Di(2-ethylhexyl)adipate	0.4 ³	-	-
Di(2-ethylhexyl)phthalate	0.006 ³	-	-

Table 6 (continued)

Contaminant	FEDMCL	NJMCL	NYMCL
Epichlorohydrin	TT ²	TT	-
Ethylbenzene	0.7 ²	-	0.005
Hexachlorobenzene	0.001 ³	-	0.005
Hexachlorobutadiene	-	-	0.005
Hexachlorocyclopentadiene(HEX)	0.05 ³	-	-
Isopropylbenzene	-	-	0.005
p-Isopropyltoluene	-	-	0.005
Monochlorobenzene	0.1 ²	0.004	-
Pentachlorophenol	0.001 ⁸	0.001	-
n-Propylbenzene	-	-	0.005
Styrene	0.1 ²	-	0.005
1,1,1,2-Tetrachloroethane	-	-	0.005
1,1,2,2-Tetrachloroethane	-	-	0.005
Tetrachloroethylene	0.005 ²	0.001	0.005
Toluene	1.0 ²	-	0.005
1,2,3-Trichlorobenzene	-	0.008	0.005
1,2,4-Trichlorobenzene	0.07 ³	0.008	0.005
1,1,1-Trichloroethane	0.2	0.026	0.005
1,1,2-Trichloroethane	0.005 ³	-	0.005
Trichloroethylene (TCE)	0.005	0.001	0.005
Trichlorofluoromethane	-	-	0.005
1,2,3-Trichloropropane	-	-	0.005
1,2,4-Trimethylbenzene	-	-	0.005
1,3,5-Trimethylbenzene	-	-	0.005
2,3,7,8-TCDD (Dioxin)	3E-08 ³	-	-
Vinyl Chloride	0.002	0.002	0.002
Xylenes (total)	10.0 ²	0.044	0.005
Total Trihalomethanes (TTHM)	0.1 ⁷	0.1	0.1
Unspecified organic contaminant (UOCs) ¹⁸	N/A	N/A	0.050
Total Principal organic contaminants (POCs) ¹⁸ and UOCs ¹⁸	N/A	N/A	0.10

Table 6 (continued)

PESTICIDES/PCBs

Contaminant	FEDMCL	NJMCL	NYMCL
Alachlor	0.002 ²	0.002	-
Aldicarb	0.003 ⁸	0.010	-
Aldicarb sulfone	0.002 ⁸	0.002	-
Aldicarb sulfoxide	0.004 ⁸	0.004	-
Atrazine	0.003 ²	0.003	-
Carbofuran	0.04 ²	0.040	0.015 ²²
Chlordane	0.002 ²	0.0005	-
Dalapon	0.2 ³	-	-
1,2-Dibromo-3-chloropropane(DBCP)	0.0002 ²	0.0002	-
Dinoseb	0.007 ³	-	-
Diquat	0.02 ³	-	-
Ethylene dibromide (EDB)	0.00005 ²	0.00005	-
2,4-D ⁵	0.07 ²	-	0.050
2,4,5-TP(Silvex) ⁶	0.05 ²	0.05	0.010
Endothall	0.1 ³	-	-
Endrin	0.002 ³	0.0002	0.0002
Glyphosate	0.7 ³	-	-
Heptachlor	0.0004 ²	0.0004	-
Heptachlor epoxide	0.0002 ²	0.0002	-
Lindane	0.0002 ²	0.0002	0.004
Methoxychlor	0.04 ²	0.04	0.050
Oxamyl(Vydate)	0.2 ³	-	-
Picloram	0.5 ³	-	-
Polychlorinated byphenyls (PCBs)	0.0005 ²	0.0005	-
Simazine	0.004 ³	-	-
Toxaphene	0.003 ²	0.003	0.005

Table 7
FEDERAL/STATE MCLs FOR REGION II
INORGANIC
(as of June 1992)
All units are milligrams per liter (mg/l), except as noted

Contaminant	FEDMCL	NJMCL	NYMCL
Antimony	0.006 ³	-	-
Arsenic	0.05	0.05	0.05
Asbestos	7MFL ^{2,10}	7MFL	-
Barium	2.0 ⁸	2.0	1.0
Beryllium	0.004 ³	-	-
Cadmium	0.005 ²	0.005	0.01
Chromium (total)	0.1 ²	0.1	0.05
Copper	TT**	TT**	-
Cyanide	0.2 ³	-	-
Fluoride	4.0	4.0	2.2
Lead	TT**	TT**	0.05
Mercury	0.002 ²	0.002	0.002
Nickel	0.1 ³	-	-
Nitrate (as N)	10.0 ²	10.0	10.0
Nitrite (as N)	1.0 ²	1.0	-
Total Nitrate + Nitrite (as N)	10.0 ²	10.0	-
Selenium	0.05	0.05	0.01
Sulfate	deferred ³	-	-
Thallium	0.002	-	-

** Copper - action level 1.3 mg/l
 Lead - action level 0.015 mg/l

MFL Million Fibers per Liter

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T.T.

1 - CORROSION CONTROL TREAT.

2 - SOURCE H₂O TREAT.

3 - PUBLIC EDUC.

4 - LOCAL SERVICE LINE REPLACE.

40 CFR 131

ENDNOTES

1 MCL: Maximum Contaminant Level - Maximum permissible level of a contaminant in water which
is delivered to any user of a public water system.

PMCL: Proposed Maximum Contaminant Level

MCLG: Maximum Contaminant Level Goal - Maximum level of a contaminant in drinking water at
which no known or anticipated adverse effect on the health of persons would occur, and
which allows an adequate margin of safety. MCLGs are nonenforceable health goals.

¶ Proposed MCLG

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2 Phase II MCLs were finalized on 1/30/91 in 56 FR 3526 and are considered ARARs as of
1/30/91. These MCLs are effective for community and non-transient, non-community public
water supplies on July 30, 1992. At such time States must adopt regulations.

3 The Phase V Rule was signed by the Administrator on May 18, 1992. Publication in the
federal register is anticipated in late June.

4 EPA is also considering the establishment of MCLGs and MCLs for six additional Polycyclic
Aromatic Hydrocarbons (PAHs). The MCLG would be zero for these PAHs:
Benz(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene,
Dibenz(a,h)anthracene, and Indeno[1,2,3-~~h,i~~]perylene. The MCL would be equal to the Practical
Quantitation Limit (PQL) for each PAH.

5 2,4-Dichlorophenoxypropionic acid

6 2,4,5-Trichlorophenoxypropionic acid (Silvex)

7 Total Trihalomethanes (TTHMs) - the sum of the concentrations of bromodichloromethane,
tribromomethane (bromoform), dibromochloromethane, and trichloromethane (chloroform).

8 The Phase II MCLGs and MCLs for aldicarb, aldicarb sulfoxide, aldicarb sulfone,
pentachlorophenol and barium were repropored on 1/30/91 in 56 FR 3600. The proposal
were due to changes in health basis for the MCLGs and/or revised MCLs.

9 EPA is considering two alternative MCLs based upon a Practical Quantitative Level (PQL)
of five times the Method Detection Limit (MDL) or ten times the MDL.

10 The MCL and MCLG for asbestos apply to fibers longer than 10 micrometers and are in
units of million fibers per liter.

11 Final rule promulgated June 7, 1991 in 56 FR 26548.

Lead and copper action levels. (1) The lead action level is exceeded if the concentration
of lead in more than 10 percent of tap water samples collected during any monitoring
period conducted in accordance with Section 141.86 is greater than 0.015 mg/l (i.e., If the
"90th percentile" lead level is greater than 0.015 mg/l). (2) The copper action level is
exceeded if the concentration of copper in more than 10 percent of tap water samples
collected during any monitoring period conducted in accordance with Section 141.86 is
greater than 1.3 mg/l (i.e., If the "90th percentile" copper level is greater than 1.3 mg/l).

Endnotes (continued)

- ¹² In 55 FR 30370, EPA proposed two alternatives for the sulfate MCL and MCLG. The first alternative is 400 mg/l for both MCL and MCLG and the second alternative is 500 mg/l for both.
- ¹³ Phase III MCLs were proposed on July 18, 1991 in 56 FR 33051.
- ¹⁴ Final rule promulgated June 29, 1989 in 54 FR 27544.
- ¹⁵ Final rule promulgated June 29, 1989 in 54 FR 27486.
- ¹⁶ SMCL: Secondary Maximum Contaminant Level - unenforceable federal guidelines regarding the taste, odor, color-and certain other non-aesthetic effects-of drinking water.
- ¹⁷ Final SMCLs promulgated on 1/30/91 at 56 FR 3526.
- N/A Not Applicable
- ¹⁸ Principal organic contaminant (POC) means any organic chemical compound belonging to the following classes, except for Total Trihalomethanes, Vinyl Chloride and regulated Pesticides:
- 1) Halogenated alkane
 - 2) Halogenated ether
 - 3) Halobenzenes and substituted halobenzenes
 - 4) Benzene and alkyl- or nitrogen-substituted benzenes
 - 5) Substituted, unsaturated hydrocarbons
 - 6) Halogenated nonaromatic cyclic hydrocarbons
- Further definition of the POCs is contained in Chapter I of the New York Sanitary Code Part 5, Subpart 5-1.1(ab). A table listing the POCs is found in Table 9A of the same document.
- ¹⁹ Unspecified organic contaminant (UOC) means any organic chemical compound not otherwise specified in Chapter I of the New York Sanitary Code Part 5, Subpart 5-1.
- ²⁰ If iron and manganese are present, the total concentration of both should not exceed 0.5 mg/l. Higher levels may be allowed when justified by the supplier of water.
- ²¹ Water containing more than 20 mg/l of sodium should not be used for drinking by people on severely restricted sodium diets.
- ²² The NYMCL for Carbofuran will become effective July 30, 1992.

<u>CHEMICAL</u>	<u>MCLG (mg/l)</u>	<u>MCL (mg/l)</u>
METALS		
Antimony	0.006	0.006
Beryllium	0.004	0.004
Cyanide	0.2	0.2
Nickel	0.1	0.1
Thallium	0.0005	<u>0.0005 .002</u>
VOCs		
Dimethylchloride (Methylene Chloride)	zero	0.005
1,2,4-Trichlorobenzene	0.07	0.07
1,1,2-Trichloroethane	0.003	0.005
PESTICIDES		
Dalapon	0.2	0.2
Dinoseb	0.007	0.007
Diqual	0.02	0.02
Endothall	0.1	0.1
Endrin	0.002	0.002
Glyphosate	0.7	0.7
Oxamyl (Vydate)	0.2	0.2
Picloram	0.5	0.5
Simazine	0.004	0.004
OTHER ORGANIC CONTAMINANTS		
Benzo(a)pyrene	zero	0.0002
Di(2-ethylhexyl)adipate	0.4	0.4
Di(2-ethylhexyl)phthalate	zero	0.006
Hexachlorobenzene	zero	0.001
Hexachlorocyclopentadiene	0.05	0.05
2,3,7,8-TCDD (Dioxin)	zero	3×10^{-6}